

W24: Introduction to Chemostratigraphy

Coordinator(s)	Anne Forbes
Date(s)	Fri, Sep 06
Time	08:45 - 16:45
Location	Crown Perth
Summary	This course aims to help you use and understand elemental geochemistry data in sedimentary systems for use in chemostratigraphy (other applications will be touched on). We will use case studies from Australia (NW Shelf, Canning Basin) and to demonstrate how to use the data, its benefits and limitations.

Schedule*

<u>Module</u>	<u>Details</u>
<u>Session 1</u>	
Introduction	What is chemostratigraphy? Essential concepts. Why do it?
Data for Chemostratigraphy	Sources of data and analysis types. How they work, pros & cons. Sampling considerations.
<u>Session 2</u>	
Rocks & the periodic table	Elemental data in the context of mineralogy
Chemostratigraphy techniques	A look at analysing data: Chemostratigraphy for conventional / unconventional
<u>Session 3</u>	
Case study & Exercise: NW Shelf	Triassic in the Carnarvon Basin
Elemental data – what else?	Geomechanics, petrophysics, RQ, mineralogy
<u>Session 4</u>	
Case Study & Exercise: Shale Passive	Ordovician of the Canning Basin
Wrap up	Questions, etc.

Terms and conditions

* Schedule subject to change

Workshops will proceed only if minimum numbers are reached, should a workshop be cancelled that you have paid and registered for, you will be notified and refunded the full amount. Should you wish to cancel a workshop, standard registration cancellation policy applies. Please refer to the AEGC conference website for registration cancellation policy and for further details on registration information <https://2019.aegc.com.au/>

W1: Key Reservoirs of the Northwest Shelf, Australia - A Core Workshop



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